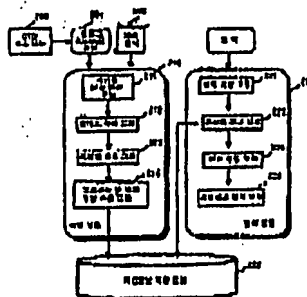(19) KOREAN INTELLECTUAL PROPERTY OFFICE

KOREAN PATENT ABSTRACTS

(54) SYSTEM FOR SEARCHING XML DOCUMENT AND METHOD THEREOF

(57) Abstract:

PURPOSE: A system for searching an XML document and a method thereof are provided to search contents and a structure with respect to a user's query integrally from indexed information by integrally indexing contents and a structure with respect to an XML document.

CONSTITUTION: A DTD(Document Type Definition) reduction unit(200) is provided for reducing a complicated DTD to a simple DTD for being used in an index and a search and making an index config file. An index unit(210) is provided for receiving the config file and an XML document made at the DTD reduction unit(200) for an index. An index information storing unit(230) is provided for receiving and storing index information from the index unit(210). A search unit is provided for receiving and searching a general query and a structure query from a user. An index document converting unit(211) receives the XML document and the config file, performs a parsing of the XML document, and makes a file for an index. A morpheme interpreting unit(212) is provided for interpreting a morpheme with respect to an index file made by the index document converting unit(211). An index language extracting unit (213) for extracting an index language in a result of the morpheme interpreting unit(212). An element and position information extracting unit(214) is provided for extracting element information and position information of the index language extracted in the index language extracting unit(213).

Legal Status
Date of final disposal of an application (20030825)

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